INDEX TO AUTHORS

Volume 48, 1957-1958

ABOU-TALEB, NAIM, A Foreign Professor's Evaluation of Engineering Education .....F, 387
ADLER, CYRUS, On the Humanization of Some Physics Problems .....My, 729
ARADER, HARRY F., Advantages and Operation of a Multidisciplinary Research Project .....J, 304
ARMSBY, HENRY H., Engineering Enrollments and Degrees in ECPD-Accredited Institutions, 1957 .YB, 415
Enginering Supply and Demand, 1955–1956 .....My, 715
Engineering Technical Institute Enrollments and Graduations in ECPD-Listed Institutions, 1956 My, 722
ARNOLD, CHRISTIAN K., What the Technical Teacher Can Do to Improve Training in Writing Skills .....N, 90
ASTILL, KENNETH N., New Look in Heat Power .....J, 277

BACCUS, IRA B., A Suggested Program to Improve Science Teaching ..Je, 902
BALISE, PETER L., Coriolis Acceleration: The General Case .....F, 394
BALISE, PETER L., Have You Written Your Paper Yet? .....F, 372
BARLOW, H. W., Current ROTC and Physical Education Programs in ECPD-Approved Curricula ....J, 291
BERGER, BERNARD B., Education for Sanitary Engineering Research ..J, 266
BEWLEY, L. V., Reorientation in Engineering Education .....M, 497
BLICKLE, MARGARET D., Have You Written Your Paper Yet? .....F, 372
BOLZ, HAROLD A., What Can You Tell a Young Engineer About Ethics? M, 551
BONILLA, CHARLES F., Educational Use of Nuclear Reactors .....N, 102
BRAY, OSCAR S., Engineering Sciences in the Ideal Curriculum .....F, 381
BROWN, C. A., Report of the Vice President for Instructional Divisions D, 224
BROWN, HIRAM, Reading Rudeness, and Redundancy .....A, 640

CARRON, T. J., Growth and Development of the Engineer in Industry M, 520
CARSON, HAROLD G., Manning and Training for the Dresden Nuclear Power Station .....A, 621
CARSON, R. G., JR., Projects for Industrial Engineering Students ....O, 32
CASE, HARRY W., Student-to-Instructor Ratios .....D, 165
CEAGLSKE, N. H. Coordination of Classroom and Laboratory Instruction in Process Dynamics and Control .....My, 755
COHEN, GEORGE I., Worktext Teaching Aid in Advanced Applied Mathematics .....A, 615
COLLINS, LEIGHTON, W.
Do You Know .....O, 2; N, 67; D, 163; J, 259; F, 351; M, 487; A, 582; My, 695; Je, 863
"Ethics of Recruiting" Codes ....D, 248
Report of the Secretary .....D, 215
Revised Constitution .....N, 69
COONS, STEVEN ANSON, Research in Graphics .....N, 157
CRAINE, LLOYD B., The Automation of Engineering Education .....J, 332
CRATER, WARREN H., Have You Written Your Paper Yet? .....F, 372

DALZELL, R. CARSON, Metallurgical Engineering and Atomic Energy ..D, 188
DAVIS, W. KENNETH, AEC Educational Assistance to Engineering Colleges D, 193
DEXTER, GREGORY M., Accreditation of Engineering Schools .....F, 390
DOUGHTIE, V. L., Report of the M. E. Division Committee for Revision of By-Laws .....Je, 931
DREIFKE, GERALD E., An Industrial Plan for Systems Engineering Education
DUSINBERRE, G. M., A Note on Dimensions .....Je, 923 My, 760
DRUCKER, D. C., Integration of Subject Matter at Michigan State University .....D, 243

EMMONS, ARDATH H., Manpower Requirements for a University Research Reactor .....F, 360
ESTRIN, HERMAN A., Orienting Freshmen to the Experiences of Engineering College .....J, 313
EVERITT, WILLIAM L., ". . . For the People Had a Mind to Work" ..O, 7

FAIMAN, ROBERT N., Engineering Sciences—Still Another Look ....M, 527

FAULDERS, C. R., The Application of Physics to High-Speed Flight ..D, 201
FLANDERS, ROGER L., Africa and the Problems of Higher Education My, 737
FOEKE, HAROLD A.
A Year of Challenge .....N, 153
Pedagogical Engineers .....Je, 906
FOSTER, F. L., Engineering Teaching and Research Salaries Versus Industrial Research Salaries ....A, 597
FRANK, NATHANIEL H., The Task Ahead for the Physics Division O, 22

GAMMELL, JOHN, Report of the Treasurer .....D, 232
GEOFFREY, WILLIAM, Art and the Engineer .....My, 726
GOMBERG, HENRY J., Manpower Requirements for a University Research Reactor .....F, 360
GRAHAM, JOHN W., JR., What Some Colleges Are Doing About Ethics D, 179
GREEN, THOMAS F., A Humanities Teacher Looks at Engineering Education .....M, 572
GRINTER, L. E., Foreshadowing of Events in Engineering as Related to Graphics Instruction .....D, 209
GUNDER, DWIGHT F.
Chairman's Message, Mechanics Division Bulletin .....D, 236; My, 731
Remarks on the Integration of Subject Matter .....D, 238

HALL, NEWMAN A., Report of the M.E. Division Committee for Revision of By-Laws .....Je, 931
HAMMOND, S. B., Curiosity and Creativity .....F, 392
HANSON, H. G., Education for Sanitary Engineering Research .....J, 266
HARRINGTON, T. W., JR., Engineering Teaching and Research Salaries Versus Industrial Research Salaries A, 597
HARRIS, CHARLES, Integration of Subject Matter at Brown University D, 241
HARRISBERGER, LEE, Teaching Kinematics by Project Synthesis .....J, 283
HAYNES, FRED B., Can Industry Assist In Advanced Engineering Education .....Je, 887
HELM, M. STANLEY, Teaching as an Exciting Career .....N, 111
HENNES, R. G., Highway Benefit Analysis .....F, 364
HOLLISTER, S. C., Analysis of Educational Potential in Engineering Colleges .....A, 586
HOROWITZ, MORRIS A., Engineering Enrollment and Faculty Requirements, 1956–1957, CEPD Report My, 789
HOUGEN, JOEL O., An Industrial Plan for Systems Engineering Education My, 760
HOWELL, GLEN H., Aptitudes and Attitudes .....A, 660

JACKSON, CHARLES E., Aeroelasticity and Its Increasing Importance .A, 627
JANKE, ROBERT A., How Can We Encourage Students to Think? ...O, 34
JONES, J. B., Helping Students of Superior Ability .....A, 643

KIEHL, ROBERT, A Minority Group as a Source of Engineering Manpower A, 608

LANDIS, FRED, An Engineering Teacher Looks at the Humanities Program M, 568
LARSEN, K. D., Integration of Basic Science Courses at Lafayette College My, 733
LAUBUSCH, EDMUND J., Education for Sanitary Engineers .....Je, 912
LEBOLD, WILLIAM K., Intellectual and Nonintellectual Factors Involved in Predicting Enginering Success M, 514
LIEBESKIND, HERBERT, The AEC–NSF–ASEE Nuclear Institutes .....A, 611
LEMLICH, ROBERT, A Plea for the Simple Experiment .....F, 385
LEWIS, DAVID W., A Plan for Integrating Courses .....M, 559
LINDVALL, F. C.
Integration of Mathematics, Physics and Mechanics .....My, 732
Postgraduate Engineering Education in Industry and the Community My, 701
Report of the Vice President for Sections and Branches .....D, 221
LOHMANN, M. R., Basic Considerations in Salary Administration .....N, 81

MARIN, JOSEPH, Mechanical Properties in Teaching Machine Design ..F, 368
MARTORANA, S. V., Engineering Technical Institute Enrollments and Graduations in ECPD-Listed Institutions .....My, 772
MARTIN, ROSS J., Faculty Compensation Policies and Practices .....M, 508
MCILVAINE, WILLIAM D., Mutual Interests of Industry and Engineering Education .....Je, 884

McMINN, BRYANT T., Report of the M.E. Division Committee for Revision of Bylaws .....Je, 931
MEIXNER, H. N., Mechanical Engineering in the Process Industries ..J, 273
MEYERHOF, G. G., Impressions of a Visit to Some Universities in Western Europe .....A, 594
MIERNYK, WILLIAM M., Engineering Enrollment and Faculty Requirements, 1956–1957, CDEF Report My, 789
MONSEES, MELFORD E., The Young Engineer and His Professional Career .....Je, 891
MORGEN, RALPH A., Report of the Engineering College Administrative Council .....D, 225
MUHLENBRUCH, CARL W., Ethical Significance in College Recruiting .D, 174
MURPHY, WILLIAAM G., Engineering Science in Civil Engineering ..F, 383
McCLINTOCK, E. C., Report of the Editor .....D, 235
McLEAN, W. G., Integration of Basic Science Courses at Lafayette College .....My, 733

NORBY, GENE M., Engineering Sciences —Still Another Look .....M, 527

OLMSTED, STERLING P., General Education and the Law of Increasing Entropy .....M, 545

PRINCE, MARTIN V., A Test for Writing Aptitude .....Je, 896

RAE, JOHN B., The Engineer as Manager .....O, 25
REINERT, PAUL, New Concepts in Education .....Je, 870
RICH, LINVIL G., An Integrated Curriculum in Sanitary Engineering ..A, 665
RICHARDS, C. W., The Rejuvenation of a Materials Testing Laboratory M, 562
ROBBINS, PAUL R., Upright Students—Upright Engineers .....N, 85
ROCKWELL, THOMAS H., Increase Laboratory Effectiveness with Greater Student Participation .....O, 39
ROSEN, C. G. A., In Quest of Engineering Creativeness .....Je, 917
ROUVEROL, W. S., Today's Objectives in Teaching Machine Design .....J, 287
RYDER, FREDERICK L., Filling the Gap in Engineering Education ....O, 47

SECOR, KENNETH E., Guiding High School Preparation for Engineering Training in College .....O, 43
SEEGER, RAYMOND J., On Teaching Thermophysics .....A, 647
SEIBERT, W. F., Closed-Circuit Television Instruction in Mechanical Engineering .....M, 538
SHICK, WAYNE L., Full-Time Education .....My, 708
SNOWDEN, WAYNE H., California—Scene of the 66th Annual Meeting ...F, 353
College of Engineering, University of California, Berkeley .....My, 697
SPINRAD, BERNARD I., Our Hidden Engineering Supply .....Je, 911
SUSSKIND, CHARLES, On Teaching Engineering Teachers to Teach ....D, 211

THAL-LARSEN, HERMAN, A Course of Instruction in Systems Engineering My, 742
TOBIN, AUSTIN J., Engineering and Management Decisions in the Port of New York Authority .....M, 530

WALKER, ERIC A., Research and Engineering Education .....N, 70
WEIKERT, JOHN, What Does Industry Want in Engineering Graduates? F, 376
WERWATH, KARL O., Training the Technician for the Engineering Manpower Team .....Je, 879
WILBUR, JOHN B., An Excursion Through Exactitudes .....D, 182
WILEY, J. BRUCE, One Answer to Two Problems? .....O, 56
WILKE, HARVEY R., The Sanitary Engineer in the World Health Organization .....J, 261
WILLIAMS, THEODORE J., An Industrial Plan for Systems Engineering Education .....My, 760
WOLF, LEONARD, Architectural Engineering, Its Place and Future My, 719
WOOD, WARREN W., Reporting Through the Looking Glass .....My, 722
WOODROW, RAYMOND J., Report of the ECRC .....D, 229
WORK, CLYDE E., Faculty Employment Programs, Summer, 1958 .....J, 307
WORLEY, WILL J., Elliptic-Type Closed Curves Useful in Engineering Mechanics .....J, 337

YARDLEY, JOHN F., Some Stress Analysis Problems of Current High-Speed Fighter Aircraft .....A, 631
YOUNG, H. H., Why Not a Three-Semester College Year? .....My, 710

ZETLER, ROBERT L., What's Base in a Basic Curriculum? .....N, 96

TITLE INDEX

Volume 48, 1957-58

ABSTRACTS OF THE MINUTES, SPRING MEETING OF THE EXECUTIVE BOARD .....Je, 935
AEC EDUCATIONAL ASSISTANT TO ENGINEERING COLLEGES, W. K. Davis D, 193
AEC–NSF–ASEE NUCLEAR INSTITUTES, H. Liebeskind .....A, 611
AFRICA AND THE PROBLEMS OF HIGHER EDUCATION, R. L. Flanders ..My, 737
ARCHITECTURAL ENGINEERING, ITS PLACE AND FUTURE, L. Wolf .My, 719
ART AND THE ENGINEER, W. Geoffrey My, 726
ASEE AUDIT REPORT .....YB, 433
ASEE BALLOT, OFFICERS .....M, 581
ASEE COMMITTEES .....N, 115, YB, 446
ASEE EMPHASIZES ROLE OF ENGINEERING IN SCIENTIFIC RESEARCH AND INSTRUCTION .....M, 584
ASEE OFFERS HELP AT THE HIGH SCHOOL LEVEL .....A, 670
ASEE PUBLICATIONS AND REPRINTS .F, 380
ASEE PRIZE RECIPIENTS, 1957 ....O, 20
ASEE RECORDS .....YB, 460
ASEE YEARBOOK .....YB, 439
ACCREDITATION OF ENGINEERING SCHOOLS, G. M. Dexter .....F, 390
ADVANTAGES AND OPERATION OF A MULTI-DISCIPLINARY RESEARCH PROJECT, H. F. Arader .....J, 304
AEROELASTICITY AND ITS INCREASING IMPORTANCE, C. E. Jackson ...A, 627
ANALYSIS OF EDUCATIONAL POTENTIAL IN ENGINEERING COLLEGES, S. C. Hollister .....A, 586
ANNUAL MEETING, 65TH ..O, 15; My, 697
ANNUAL MEETINGS OF THE ASEE ..YB, 467
APPLICATION OF PHYSICS TO HIGH-SPEED FLIGHT, THE, C. R. Faulders D, 201
APTITUDES AND ATITUDES, G. H. Howell A, 660
AUTOMATION OF ENGINEERING EDUCATION, L. B. Craine .....J, 332
AWARDS AND RECIPIENTS .....YB, 464

BALLOT, ASEE OFFICERS .....M, 581
BASIC CONSIDERATIONS IN SALARY ADMINISTRATION, M. R. Lohmann N, 81
BEVIS COMMITTEE SEEKS COOPERATION ON HIGH SCHOOL SCIENCE-MATHEMATICS .....Je, 866

CALIFORNIA–SCENE OF THE 66TH ANNUAL MEETING, W. H. Snowden F, 353
CAN INDUSTRY ASSIST IN ADVANCED ENGINEERING EDUCATION?, F. B. Haynes .....Je, 887
CHAIRMAN'S MESSAGE, MECHANICS BULLETIN, D. F. Gunder D, 236; My, 731
CHEMICAL ENGINEERING DIVISION .My, 742
CIVIL ENGINEERING, W. G. Murphy F, 383
CLOSED-CIRCUIT TELEVISION INSTRUCTION IN MECHANICAL ENGINEERING, W. F. Seibert .....M, 538
COLLEGE OF ENGINEERING AT BERKELEY, W. L. Snowden .....My, 697
COORDINATION OF CLASSROOM AND LABORATORY INSTRUCTION IN PROCESS DYNAMICS AND CONTROL, N. H. Ceaglske .....My, 755
COMMENTS ON "ETHICS OF RECRUITING" CODES, W. L. Collins ....D, 248
CONSTITUTION AND BY-LAWS .....YB, 470
CORIOLIS ACCELERATION: THE GENERAL CASE, P. L. Balise .....F, 394
COURSE OF INSTRUCTION IN SYSTEMS ENGINEERING, A, H. Thal-Larsen My, 742
CURIOSITY AND CREATIVITY, S. B. Hammond .....F, 392
CURRENT ROTC AND PHYSICAL EDUCATION PROGRAMS IN ECPD-APPROVED CURRICULA, H. W. Barlow J, 291

"DEAN'S LIST" OF RECOMMENDED READING FOR ENGINEERING STUDENTS J, 339
DO YOU KNOW, W. L. Collins ....O, 2; N, 67; D, 163; J, 259; F, 351; M, 487; A, 582; My, 695; Je, 863

ECAC REPORT, R. A. Morgen ....D, 225
ECRC REPORT, R. J. Woodrow ....D, 229
EJC–EMC MANPOWER RECOMMENDATIONS .....M, 494
EDITOR'S REPORT, E. C. McClintock D, 235
EDUCATION FOR SANITARY ENGINEERING RESEARCH, B. B. Berger, H. G. Hanson .....J, 266
EDUCATION FOR SANITARY ENGINEERS, E. J. Laubusch .....Je, 912
EDUCATIONAL USE OF NUCLEAR REACTORS, C. F. Bonilla .....N, 102
ELECTRICAL ENGINEERING DIVISION NEWSLETTER .....J, 335; My, 714
ELLIPTIC-TYPE CLOSED CURVES USEFUL IN ENGINEERING MECHANICS, W. J. Worley .....J, 337

ENGINEERING ENROLLMENT AND FACULTY REQUIREMENTS, 1957–1967, CDEF REPORT, W. M. Miernyk, M. A. Horowitz .....My, 789
ENGINEERING SUPPLY AND DEMAND, 1955–1965, H. H. Armsby ...My, 715
ENGINEER AS MANAGER, THE, J. B. Rae O, 25
ENGINEERING TECHNICAL INSTITUTE ENROLLMENTS AND GRADUATIONS IN ECPD-LISTED INSTITUTIONS: 1956, H. H. Armsby, S. V. Martorana My, 722
ENGINEERING AND MANAGEMENT DECISIONS IN THE PORT OF NEW YORK AUTHORITY, A. J. Tobin .....M, 530
ENGINEERING ENROLLMENTS AND DEGREES IN ECPD-ACCREDITED INSTITUTIONS: 1957, S. J. Amore, H. H. Armsby .....YB, 415
ENGINEERING SCIENCE IN CIVIL ENGINEERING, W. G. Murphy .....F, 383
ENGINEERING SCIENCES IN THE IDEAL CURRICULUM, O. S. Bray .....F, 381
ENGINEERING SCIENCES—STILL ANOTHER LOOK, G. M. Norby, Robert Faiman .....M, 527
ENGINEERING SUMMER SCHOOLS, 1927–1958 .....YB, 469
ENGINEERING, TEACHER LOOKS AT THE HUMANITIES PROGRAM, AN, F. Landis .....M, 568
ENGINEERING TEACHING AND RESEARCH SALARIES VERSUS INDUSTRIAL RESEARCH SALARIES, F. L. Foster, T. W. Harrington, Jr. .....A, 597
ENGINEER'S LIBRARY, AN; "DEAN'S LIST" J, 339
ETHICS COMMITTEE REPORT .....D, 249
"ETHICS OF RECRUITING CODES", W. L. Collins .....D, 248
ETHICAL SIGNIFICANCE IN COLLEGE RECRUITING, C. W. Mulenbruch ..D, 174
EXCURSION THROUGH EXACTITUDES, AN, J. B. Wilbur .....D, 182
EXECUTIVE BOARD MINUTES,
June, 1957 .....N, 123
September, 1957 .....J, 326
October, 1957 .....F, 397
April, 1958 .....Je, 935

FACILITIES AND OPPORTUNITIES FOR GRADUATE STUDY IN ENGINEERING .....Je, 939
FACULTY COMPENSATION POLICIES AND PRACTICES, R. J. Martin .....M, 508
FACULTY EMPLOYMENT PROGRAMS, SUMMER, 1958, C. E. Work ...J, 307
FILLING THE GAP IN ENGINEERING EDUCATION, F. L. Ryder .....O, 47

"FOR THE PEOPLE HAD A MIND TO WORK", W. L. Everitt .....O, 7
FOREIGN PROFESSOR'S EVALUATION OF ENGINEERING EDUCATION, A, N. Abou-Taleb .....F, 387
FORESHADOWING OF EVENTS IN ENGINEERING AS RELATED TO GRAPHICS INSTRUCTION, L. E. Grinter ....D, 209
FULL-TIME EDUCATION, W. L. Shick My, 708

GENERAL COUNCIL MINUTES;
June, 1957 .....N, 135
October, 1957 .....F, 397
GENERAL EDUCATION AND THE LAW OF INCREASING ENTROPY, S. P. Olmsted .....M, 545
GEOGRAPHICAL LISTING OF ACTIVE AND AFFILIATE INSTITUTIONAL MEMBERS .....YB, 458
GROWTH AND DEVELOPMENT OF THE ENGINEER IN INDUSTRY, T. J. Carron .....M, 520
GUIDING HIGH SCHOOL PREPARATION FOR ENGINEERING TRAINING IN COLLEGE, K. E. Secor .....O, 43

HAVE YOU WRITTEN YOUR PAPER YET?, W. H. Crater, M. D. Blickle, P. L. Balise .....F, 372
HELPING STUDENTS OF SUPERIOR ABILITY, J. B. Jones .....A, 643
HIGHWAY BENEFIT ANALYSIS, R. G. Hennes .....F, 364
HOST TO THE 1958 ASEE ANNUAL MEETING, W. S. Snowden ....My, 697
HOW CAN WE ENCOURAGE ENGINEERING STUDENTS TO THINK?, R. A. Janke .....O, 34
HUMANITIES TEACHER LOOKS AT ENGINEERING EDUCATION, A, T. F. Green .....M, 572
HUMANIZATION OF SOME PHYSICS PROBLEMS, ON THE, C. Adler .....My, 729

IMPRESSIONS OF A VISIT TO SOME UNIVERSITIES IN WESTERN EUROPE, G. G. Meyerhoff .....A, 594
IN QUEST OF ENGINEERING CREATIVENESS, C. S. A. Rosen .....Je, 917
INDUSTRIAL PLAN FOR SYSTEMS ENGINEERING EDUCATION, AN, Gerald E. Dreifke, J. O. Hougen, T. J. Williams .....My, 760
INSTRUCTIONAL DIVISIONS
Report of the Vice President; C. A. Brown .....D, 224
INTEGRATED CURRICULUM IN SANITARY ENGINEERING, L. G. Rich .....A, 665

INTEGRATION OF BASIC SCIENCE COURSES AT LAFAYETTE COLLEGE, W. G. McLean, K. D. Larsen .....My, 733
INTEGRATION OF MATHEMATICS, PHYSICS AND MATHEMATICS, F. C. Lindvall .....My, 732
INTEGRATION OF SUBJECT MATTER, D. F. Gunder .....D, 238
INTEGRATION OF SUBJECT MATTER AT BROWN UNIVERSITY, D. C. Drucker D, 243
INTEGRATION OF SUBJECT MATTER AT MICHIGAN STATE UNIVERSITY, C. O. Harris .....D, 243
INTELLECTUAL AND NONINTELLECTUAL FACTORS INVOLVED IN PREDICTING ENGINEERING SUCCESS, W. K. LeBold .....M, 514

LINDVALL, F. C., NEW PRESIDENT OF ASEE .....O, 5
LOCAL ACTION FOR THE IMPROVEMENT OF MATHEMATICS AND SCIENCE TEACHING .....Je, 867

MANNING AND TRAINING FOR THE DRESDEN NUCLEAR POWER STATION, H. G. Carson .....A, 621
MANPOWER REQUIREMENTS FOR A UNIVERSITY RESEARCH REACTOR, H. J. Gomberg, Ardath H. Emmons ..F, 360
MECHANICAL ENGINEERING IN THE PROCESS INDUSTRIES, H. N. Meixner J, 273
MECHANICAL PROPERTIES IN TEACHING MACHINE DESIGN, J. Marin ...F, 368
MECHANICS DIVISION BULLETIN D, 236; My, 731
METALLURGICAL ENGINEERING AND ATOMIC ENERGY, R. C. Dalzell D, 188
MINORITY GROUP AS A SOURCE OF ENGINEERING MANPOWER, A, R. Kiehl A, 608
MINUTES OF THE EXECUTIVE BOARD AND GENERAL COUNCIL, OCTOBER, 1957 F, 397
MINUTES OF ECRC EXECUTIVE COMMITTEE .....YB, 414
MUTUAL INTERESTS OF INDUSTRY AND ENGINEERING EDUCATION, W. D. McIlvaine .....Je, 884

NATION MUST SOLVE ITS ENGINEERING FACULTY SHORTAGE .....M, 491
NATIONAL SUPPORT FOR BASIC RESEARCH AND TEACHING PROGRAMS URGED BY CDEF .....M, 490
NEW CONCEPTS IN EDUCATION, P. Reinert .....Je, 870
NEW LOOK IN HEAT POWER, THE, K. N. Astill .....J, 277
NEW MEMBERS OF ASEE ....O, 59; N, 147; D, 253; J, 344; F, 402; YB, 291; M, 577; A, 686; My, 764; Je, 925
NOTE ON DIMENSIONS, G. M. Dusinberre .....Je, 923

ON THE HUMANIZATION OF SOME PHYSICS PROBLEMS, C. Adler .....My, 729
OFFICERS OF BRANCHES .....YB, 455
OFFICERS AND COUNCIL MEMBERS YB, 440
OFFICERS OF DIVISIONS ..N, 118; YB, 450
OFFICERS NOMINATED FOR 1958–'59 F, 371
OFFICERS OF SECTIONS ..N, 121; YB, 453
ON TEACHING ENGINEERING TEACHERS TO TEACH, C. Susskind .....D, 211
ON TEACHING THERMOPHYSICS, R. J. Seeger .....A, 647
ONE ANSWER TO TWO PROBLEMS, J. B. Wiley .....O, 56
ORGANIZATION OF THE SOCIETY ...YB, 439
ORIENTING FRESHMEN TO THE EXPERIENCES OF ENGINEERING COLLEGE, H. A. Estrin .....J, 313
OUR HIDDEN ENGINEERING SUPPLY, B. I. Spinrad .....Je, 911

PAST OFFICERS AND COUNCIL MEMBERS YB, 460
PEDAGOGICAL ENGINEERS, H. A. Foeke Je, 906
PLAN FOR INTEGRATING COURSES, A, D. W. Lewis .....M, 559
PLEA FOR THE SIMPLE EXPERIMENT, A, R. Lemlich .....F, 385
POSTGRADUATE ENGINEERING EDUCATION IN INDUSTRY AND THE COMMUNITY, F. C. Lindvall .....My, 701
PROGRAM FOR THE MECHANICS DIVISION, 1958 ANNUAL MEETING My, 741
PROJECTS FOR INDUSTRIAL ENGINEERING STUDENTS, R. C. Carson, Jr. ..O, 32

READING, RUDENESS, AND REDUNDANCY, H. Brown .....A, 640
REORIENTATION IN ENGINEERING EDUCATION, L. V. Bewely .....M, 497
RECRUITING PRACTICES AND PROCEDURES, ETHICS COMMITTEE REPORT ..D, 249
REJUVENATION OF A MATERIALS TESTING LABORATORY, C. W. Richards M, 562
REPORT OF THE ASEE GRADUATE STUDY COMMISSION .....Je, 939
REPORT OF THE COMMITTEE ON RECOGNITION AND INCENTIVES FOR GOOD TEACHING .....A, 672
REPORT OF THE M.E. DIVISION COMMITTEE FOR REVISION OF BY-LAWS, N. A. Hall, B. T. McMinn, V. L. Doughtie .....Je, 931

REPORT OF THE PLANNING COMMITTEE, ECPD .....My, 786
REPORT OF THE VICE PRESIDENT, SECTIONS AND BRANCHES, F. C. Lindvall .....D, 221
REPORTING THROUGH THE LOOKING GLASS, W. W. Wood .....My, 722
REPRESENTATIVES OF THE SOCIETY TO OTHER ORGANIZATIONS .....YB, 456
RESEARCH AND ENGINEERING EDUCATION, E. A. Walker .....N, 70
RESEARCH IN GRAPHICS, S. A. Coons N, 157
REVISED CONSTITUTION, THE, W. Leighton Collins .....N, 69

SANITARY ENGINEER IN THE WORLD HEALTH ORGANIZATION, H. R. Wilke .....J, 261
SECRETARY'S REPORT, W. L. Collins D, 215
SECTIONS AND BRANCHES, REPORT OF THE VICE PRESIDENT, F. C. Lindvall .....D, 221
65TH ANNUAL MEETING, Cornell ...O, 15
SOCIETY COMMITTEES ....N, 115; YB, 446
SOCIETY RECORDS .....YB, 460
STRESS ANALYSIS PROBLEMS OF CURRENT HIGH-SPEED FIGHTER AIRCRAFT, SOME, J. F. Yardley ....A, 631
STUDENT-TO-INSTRUCTOR RATIOS, H. W. Case .....D, 165
SUGGESTED PROGRAM TO IMPROVE SCIENCE TEACHING, A., I. B. Baccus Je, 902

TASK AHEAD FOR THE PHYSICS DIVISION, N. H. Frank .....O, 22
TAX DEDUCTION INCURRED IN SOCIETY ACTIVITIES .....F, 367
TEACHER RECRUITMENT IS OUR PROBLEM .....F, 358
TEACHING AS AN EXCITING CAREER, M. S. Helm .....N, 111
TEACHING ENGINEERING TEACHERS TO TEACH, ON, C. Susskind .....D, 211
TEACHING KINEMATICS BY PROJECT SYNTHESIS, L. Harrisberger .....J, 283
TEACHING POSITIONS AVAILABLE ....O, 63; N, 152; D, 256; J, 347; F, 350; M, 580; A, 691; My, 771; Je, 930
TEACHING THERMOPHYSICS, ON, R. J. Seeger .....A, 647
TEST FOR WRITING APTITUDE, A., M. V. Prince .....Je, 896
TODAY'S OBJECTIVES IN TEACHING MACHINE DESIGN, W. S. Rouverol J, 287
TRAINING THE TECHNICIAN FOR THE ENGINEERING MANPOWER TEAM, K. O. Werwath .....Je, 879
TREASURER'S REPORT, J. Gammell ..D, 232

UPRIGHT STUDENTS—UPRIGHT ENGINEERS, P. R. Robbins .....N, 85

WHAT'S BASE IN A BASIC CURRICULUM?, R. L. Zetler .....N, 96
WHAT CAN YOU TELL A YOUNG ENGINEER ABOUT ETHICS?, H. A. Bolz M, 551
WHAT DOES INDUSTRY WANT IN ENGINEERING GRADUATES?, J. Weikart F, 376
WHAT SOME OF THE COLLEGES ARE DOING ABOUT ETHICS, J. W. Graham, Jr. .....D, 179
WHAT THE TECHNICAL TEACHER CAN DO TO IMPROVE TRAINING IN WRITING SKILLS, C. K. Arnold ....N, 90
WHY NOT A THREE-SEMESTER COLLEGE YEAR?, H. H. Young .....My, 710
WORKTEXT TEACHING AID IN ADVANCED APPLIED MATHEMATICS, G. I. Cohn A, 615

YEAR OF CHALLENGE, A, H. A. Foeke N, 153
YOUNG ENGINEER AND HIS PROFESSIONAL CAREER, THE, M. E. Monsees .....Je, 891

SUBJECT INDEX

Accredited Institutions .....YB, 415
Administration .....YB, 444
AEC .....D, 193; A, 611
Aeroelasticity .....A, 627
Aircraft, Fighter .....A, 631
Annual Meeting, 66th .F, 353; My, 697
Annual Meetings .....YB, 467
Aptitude, Writing .....Je, 896
Aptitudes .....A, 660
Architecture .....My, 719
Art .....My, 726
Atomic Energy .....D, 188; 193
Attitudes .....A, 660
Audit Report .....YB, 433
Aviation .....D, 201
Awards .....O, 20; YB, 464

Ballot, ASEE Officers .....M, 581
Bendix, Vincent, Award O, 20; YB, 464
Benefit Analysis, Highway .....F, 364
Berkeley, California ..F, 353; My, 697
Branch Officers .....YB, 455
By-Laws .....YB, 470
  ECAC .....YB, 482
  ECRC .....YB, 479
  M.E. Division .....Je, 932

CDEF
  Teacher Recruitment .....F, 358
California, University of ..F, 353; My, 697
Career, the Young Engineer's ..Je, 891
Colleges, Engineering .....A, 586
Committees
  CDEF .....My, 789
  Ethics .....D, 248
  Military Affairs .....J, 291
  Society .....N, 115; YB, 446
  Recognition and Incentives ...A, 672
Compensation .....M, 508; A, 597
Constitution, ASEE ....N, 69; YB, 470
Council Members
  Present .....YB, 440
  Past .....YB, 460
Creativeness .....Je, 917
Curricula, Studies of .....N, 96; D, 182, 238, 241, 243; J, 291; F, 381; A, 665; M, 497

Degrees, Engineering .....YB, 415
Demand, Engineering Manpower My, 715
Design, Machine .....J, 287
Development, Professional .....M, 520
Dimensions .....Je, 923
Division Officers .....YB, 450
Drawing, Engineering—Award ...O, 20
Dresden Nuclear Power Station A, 621

ECAC .....YB, 444
  By-Laws .....YB, 482
ECPD
  Approved Curricula .....J, 291
ECRC .....YB, 442
  By-Laws .....YB, 479
Education, New Concepts, ...Je, 870
Educational Assistance AEC ....D, 193
Electrical Engineering Newsletter J, 335
Employment, Summer .....J, 307
Engineering
  Civil .....F, 383
  Creativeness .....Je, 917
  Decisions .....M, 530
  Electrical .....J, 335; My, 714
  Graduates .....F, 376
  Industrial .....O, 32
  Manpower ..A, 608; My, 715; Je, 879
  Mechanical ..J, 273; M, 538; Je, 932
  Mechanics .....J, 337
  Metallurgical .....D, 188
  Nuclear .....J, 316
  Research ....A, 584; J, 266; N, 70; J, 304; F, 360
  Sanitary .....J, 261, 266; Je, 912
  Schools .....F, 390
  Sciences .....F, 381; M, 527
  Success .....M, 514
Elliptic-type Curves .....Je, 337
Enrollment ...O, 45; D, 165; My, 789
Ethics ....N, 85; D, 174; D, 179; D, 248; M, 551
Europe, Western .....A, 594
Executive Board Minutes
  June, 1957 .....N, 123
  September, 1957 .....J, 326
  October, 1957 .....F, 397
  April, 1958 .....Je, 935
Experiments .....F, 385

Freshmen .....J, 313

General Council Minutes
  June, 1957 .....N, 135
  October, 1957 .....F, 397
Graduates, Engineering .....F, 376
Graduate Study .....My, 701; Je, 939
Graphics .....D, 209; N, 157; Je, 917
Growth, Professional .....M, 520

Health, World .....J, 261
Heat Power .....J, 277
High School .....A, 670; O, 43; Je, 866
High-speed Aircraft .....A, 621
High-speed Flight .....D, 201
Highway Engineering .....F, 364

HUMANISTIC STUDIES ....O, 56; N, 90; D, 182; M, 568; M, 572

INCENTIVES .....A, 672
INDUSTRY ....O, 56; D, 174; J, 273; J. 307; F, 376; M, 520; A, 597; Je, 884; Je, 887
INDUSTRIAL ENGINEERING .....O, 32
INSTITUTES, NUCLEAR .....A, 611
INSTITUTIONS, ACCREDITED .....YB, 415
INSTRUCTION .....A, 584
INTEGRATION, SUBJECT MATTER ....D, 238, 241, 243; M, 559; My, 732, 733, 737

KINEMATICS .....J, 283

LABORATORY .....O, 39; M, 562
LAMME AWARD .....O, 20

MCGRAW, JAMES H., AWARD .....O, 20
MACHINE DESIGN .....J, 287; F, 368
MANAGEMENT .....O, 25; M, 530
MANPOWER ..A, 608, 621; My, 715; Je, 879
MATERIALS TESTING .....M, 562
MATHEMATICS .....A, 615
MECHANICS .....O, 62
MECHANICAL ENGINEERING ....J, 273; F, 368; M, 538
MEETINGS, ANNUAL .....YB, 467
METALLURGY .....D, 188
MINUTES
  ECRC EXECUTIVE COMMITTEE .YB, 414
  EXECUTIVE BOARD ....N, 123; J, 326; F, 397; Je, 935
  GENERAL COUNCIL .....N, 135; F, 397
MINORITY GROUP .....A, 608

NATIONAL STANDARD EXAMS .....O, 62
NEWSLETTER, E. E. .....J, 335; My, 714
NEW YORK, PORT OF .....M, 530
NUCLEAR ENGINEERING ....N, 102; J, 316; F, 360; A, 611, 621

OFFICERS
  BRANCHES .....YB, 455
  DIVISIONS .....N, 118; YB, 450
  PAST .....YB, 460
  SECTIONS .....N, 121; YB, 453
  SOCIETY .....YB, 440; M, 581
ORGANIZATION, ENGINEERING COLLEGES M, 497
  SOCIETY .....YB, 439
ORIENTATION .....J, 313

PEDAGOGY .....Je, 906
PHYSICAL EDUCATION .....J, 291
PHYSICS .....O, 23; D, 201; My, 729
POLICY, COMPENSATION .....M, 508
PORT OF NEW YORK .....M, 530
POTENTIAL, EDUCATIONAL .....M, 586
POWER, NUCLEAR .....A, 621
PROPERTIES, MECHANICAL .....F, 368
PRACTICES, COMPENSATION .....M, 508
PREDICTING SUCCESS .....M, 514
PREPARATION FOR ENGINEERING TRAINING .....O, 43
PRESIDENT, ASEE .....O, 5
PRESIDENTIAL ADDRESS, 1957 .....O, 7
PRIZE RECIPIENTS, 1957 .....O, 20
PROBLEM-SOLVING .....O, 47
PROCESS INDUSTRIES .....J, 273
PROJECT SYNTHESIS .....J, 283

RATES, JOURNAL .....O, 31
REACTORS .....N, 102; F, 360
RECIPIENTS, AWARD .....YB, 464
RECOGNITION .....A, 672
RECRUITING .....D, 174
RECRUITMENT .....F, 358
REORIENTATION OF ENGINEERING EDUCATION .....M, 497
REPORTS
  BRANCHES .....D, 221
  CDEF .....My, 789
  EDITOR .....D, 235
  ETHICS .....D, 242
  INSTRUCTIONAL DIVISIONS .....D, 224
  MILITARY AFFAIRS .....J, 291
  NUCLEAR EDUCATION .....J, 316
  OFFICERS .....D, 215
  RECOGNITION AND INCENTIVES ...A, 672
  RECRUITING PRACTICES AND PROCEDURES .....D, 249
  SECRETARY .....D, 215
  SECTIONS .....D, 221
  TREASURER .....D, 232
REPORT WRITING .....N, 90; My, 722
REPRESENTATIVES, ASEE .....YB, 456
RESEARCH .....YB, 442; A, 584, 597
  ENGINEERING EDUCATION .....N, 70
  GRAPHICS .....N, 157
  MULTIDISCIPLINARY .....J, 304
  REACTOR .....F, 360
  SANITARY ENGINEERING .....J, 266
ROTC .....J, 291

SALARY ADMINISTRATION ....N, 81; M, 508; A, 597
SANITARY ENGINEERING .....J, 261, 266; A, 665; Je, 912
SCHOOLS, SUMMER .....YB, 469
SCIENCE TEACHING .....Je, 867; e, 902
SCIENCES, ENGINEERING .....F, 381, 383; M, 527
SECTION OFFICERS .....YB, 453
SOLUTIONS TO PRACTICAL PROBLEMS O, 47
STRESS ANALYSIS .....A, 631
STUDENT ENCOURAGEMENT .....O, 34
STUDENT PARTICIPATION .....O, 39
STUDENTS, SUPERIOR .....A, 643
STUDY PROGRAMS .....O, 6

Success, Engineering .....M, 514
Summer Schools .....YB, 469
Supply, Engineering Manpower My, 715; Je, 911

Teaching
Engineering .....D, 211
High School .....Je, 866
Kinematics .....J, 283
Machine Design .....J, 287
Science .....Je, 902
Thermophysics .....A, 647
Career .....N, 111
Good .....A, 672
Aid .....A, 615
Tip .....J, 337
Techniques .....O, 34
Technical Writing ....My, 722; Je, 896
Technician Training .....Je, 879
Television, Closed-circuit .....M, 538
Thermophysics .....A, 647
Three-semester Academic Year My, 708, 710
Teaching Tips .....J, 337; Je, 923

Universities, European .....A, 594

Westinghouse Award .....O, 20
Worktext .....A, 615
World Healh Organization .....J, 261
Writing ....N, 90; F, 372; A, 640; My, 722; Je, 896

Yearbook .....YB, 439
Yet Paper Contest ....O, 20, 34, 43; F, 372
Yet-itudes .....N, 153; J, 332
Young Engineers .....Je, 891